

MODULAR FRONT-LIT DISPLAY PANEL

Abstract of the Invention

A front-lit display panel comprising: at least one pixel units, each having a layered structure including transparent conductor, an active layer containing liquid-crystal-type molecules, and a rear conductive layer, electrical connectors in electrical contact with the rear conductive layer and extending to the rear portion of the pixel unit; and a plurality of electronics module for respectively receiving each pixel unit, each having a conformal interconnection facilities with the at least two contacts adapted for making electrical contact with the electrical connectors, and interfacing with at least one data communications line and at least one electric power line; and an assembly board for receiving the at least one second conformal interconnection facilities, each receiving position having at least two contacts respectively adapted for making electrical contact with the data communications line and with electric power line of one of the electronics modules.